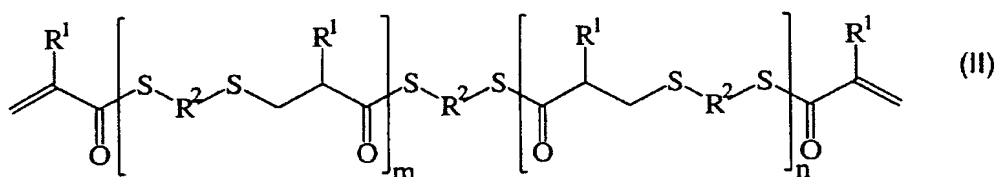


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Mixture~~ A mixture for preparing transparent plastics,
~~encompassing comprising~~

a) compounds of the formula (I) and (II)



where R^1 , is independently of the others, is hydrogen or a methyl radical,
each R^2 , is independently of the others, is a linear or branched, aliphatic or cycloaliphatic radical or a substituted or unsubstituted aromatic or heteroaromatic radical and each of m and n, independently of the others, is a whole number greater than or equal to 0, where $m + n > 0$, and

b) at least one monomer (A) capable of free-radical polymerization with a molar mass of at least 150 g/mol, which contains at least two terminal olefinic groups,

~~characterized in that~~ wherein at least two of the olefinic groups of the monomer (A) have, in the α - and/or β -position with respect to the olefinic group, atoms which differ in nature and/or number, in the radical which connects the at least two olefinic groups.

Claim 2 (Currently Amended): ~~Mixture~~ The mixture according to Claim 1, ~~characterized in that~~ wherein the monomer (A) encompasses at least one allyl group and at least one (meth)acryloyl group.

Claim 3 (Currently Amended): ~~Mixture~~ The mixture according to Claim 1 ~~or 2~~, ~~characterized in that it~~ wherein the mixture comprises more than 10 mol%, based on the total amount of the compounds of the formula (I) and (II), of compounds of the formula (II) where $m + n = 2$.

Claim 4 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the radical R^2 of the formulae (I) and/or (II) is an aliphatic radical having from 1 to 10 carbon atoms.

Claim 5 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the mixture comprises more than 5.8 mol%, based on the total amount of the compounds of the formula (I) and (II), of compounds of the formula (II) where $m + n = 3$.

Claim 6 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the mixture comprises from 0.1 to 50 mol%, based on the total amount of the compounds of the formula (I) and (II), of compounds of the formula (I).

Claim 7 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the mixture comprises more than

30 mol%, based on the total amount of the compounds of the formula (I) and (II), of compounds of the formula (II) where $m + n = 1$.

Claim 8 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the mixture comprises compounds of the formula (II) where $m + n > 3$.

Claim 9 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the total content of compounds of the formula (I) and (II) is at least 5.0% by weight, based on the total weight of the mixture.

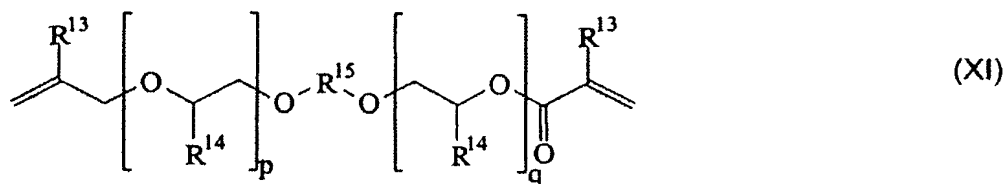
Claim 10 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein there are at least 5 bonds separating the most adjacent carbon atoms of the at least two olefinic groups from one another.

Claim 11 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the mixture comprises, as monomer (A), at least one compound of the formula (X)



where the radical R is independently a hydrogen atom, a fluorine atom and/or a methyl group, the radical R^9 is a connecting group and the radical Y is a bond or a connecting group having from 1 to 1000 carbon atoms.

Claim 12 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1, wherein the mixture comprises, as monomer (A), at least one compound of the formula (XI)



where each R^{13} , independently of the other, is hydrogen or a methyl radical,
each R^{14} , independently of the other, is hydrogen or a methyl radical,
 R^{15} is a linear or branched, aliphatic or cyclo-aliphatic radical or a substituted or unsubstituted aromatic or heteroaromatic radical, and
each of p and q , independently of the other, is a whole number greater than or equal to 0, where $p + q > 0$, and/or of the formula (XII)



where each R^{13} , independently of the other, is hydrogen or a methyl radical,
 R^{14} is hydrogen or a methyl radical, and
 r is a whole number greater than 0.

Claim 13 (Currently Amended): ~~The mixture~~ according to Claim 12, ~~characterized in that wherein~~ the mixture comprises from 1 to 40% by weight of the compounds of the formula (XI) and/or (XII), based on the total weight of the monomer mixture.

Claim 14 (Currently Amended): ~~Mixture~~ The mixture according to Claim 12 ~~or 13, characterized in that wherein~~ the number r in formula (XII) is in the range from 7 to 15.

Claim 15 (Currently Amended): ~~Mixture~~ The mixture according to ~~any of the preceding claims, characterized in that~~ Claim 1 wherein the mixture comprises at least one monomer (B) which is copolymerizable with the monomers of the formulae (I) and (II), and also with the monomer (A).

Claim 16 (Currently Amended): ~~Mixture~~ The mixture according to Claim 15, ~~characterized in that wherein~~ the mixture encompasses aromatic vinyl compounds and/or (meth)acrylates.

Claim 17 (Currently Amended): ~~Mixture~~ The mixture according to Claim 16, ~~characterized in that wherein~~ the mixture encompasses di(meth)acrylates.

Claim 18 (Currently Amended): ~~Process~~ A process for preparing transparent plastics, ~~characterized in that comprising polymerizing a mixture according to any of the preceding Claims 1 to 17 is polymerized~~ Claim 1.

Claim 19 (Currently Amended): ~~Transparent~~ A transparent plastic ~~obtainable via~~ obtained by a process according to Claim 18.

Claim 20 (Currently Amended): ~~Plastie~~ The transparent plastic according to Claim 19, ~~characterized in that~~ wherein the refractive index of the plastic to DIN 53491 is greater than 1.58.

Claim 21 (Currently Amended): ~~Plastie~~ The transparent plastic according to Claim 19 ~~or 20, characterized in that~~ wherein the Abbe number of the plastic to DIN 53491 is greater than 36.

Claim 22 (Currently Amended): ~~Plastie~~ The transparent plastic according to ~~any of Claims 19 to 21, characterized in that~~ Claim 19 wherein the impact strength of the plastic to ISO 179/1fU is greater than 6 kJ/m².

Claim 23 (Currently Amended): ~~Plastie~~ The transparent plastic according to ~~any of Claims 19 to 22, characterized in that~~ Claim 19 wherein the transmittance of the plastic to DIN 5036 is greater than 89.0%.

Claim 24 (Currently Amended): ~~Plastie~~ The transparent plastic according to ~~any of Claims 19 to 23, characterized in that~~ Claim 19 wherein its Vicat point measured to ISO 306 is greater than 50.0°C.

Claim 25 (Currently Amended): ~~Use of~~ A method of producing an optical lens comprising utilizing the high-transparency transparent plastic according to any of Claims 19 to 24 as an optical lens Claim 19.

Claim 26 (Currently Amended): ~~Optical, in particular ophthalmic,~~ An optical lens comprising a transparent plastic according to ~~at least one of Claims 19 to 24~~ Claim 19.

Claim 27 (New): An ophthalmic lens comprising a transparent plastic according to Claim 19.